

# NEW HORIZONS

Brought to you by your Kentucky Department of Aviation

November/December Issue 21

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The 2009 Kentucky Aviation Conference will once again be in Bowling Green, Kentucky at the Holiday Inn University Plaza. The dates have not yet been confirmed. This past September the conference included a tour through the National Corvette Museum and an underground boat tour at Lost River Cave and Valley.



## EXCELLENT CUSTOMER FEEDBACK!!

“As a racer in the 2008 Air Race Classic, I visited 8 airports. All had friendly staff and the towns did special things, especially the start and terminus towns, but it was Frankfort, Kentucky that won the prize for going all-out. There just seemed to be more - much more - of an effort on a genuine, grass-roots level. Real down-to-earth people who weren't looking for a spotlight but were definitely the most friendly folks we met. It would be great to have FFT involved in future Air Race Classics - especially as a start or terminus location, because those require an effort on the part of the whole town, which means you have to have cooperation and commitment from the officials.

Anyway, thanks for making FFT a great stop.”

Linda Street-Ely  
Liberty, TX

## MUHLENBERG AIRPORT TAXIWAY OFFICIALLY OPENS



Several local and state elected officials joined the Muhlenberg County Airport Board of Directors for a ribbon-cutting ceremony and opening of the airport's parallel taxiway. The 3,200-foot-long, 35-foot taxiway was the fruition of months of planning and construction to increase safety and efficiency at the airport. Muhlenberg County Judge-Executive Rick Newman, state Rep. Brent Yonts and Greenville Mayor Ed DeArmond joined Muhlenberg Airport Board of Directors Chairman Danny Walker and Airport Manager Daniel Taylor in welcoming members of the Kentucky Department of Aviation and Federal Aviation Administration to the ceremony.

A ribbon-cutting ceremony for the Muhlenberg County Airport partial parallel taxiway was held on Wednesday October 8 at the airport. Over 70 people were in attendance. This construction has been a long time in coming and with contributions from the Kentucky Department of Aviation, the Federal Aviation Administration's Memphis Office, the Muhlenberg County Fiscal Court, and the support from all those concerned, the local airport has finally finished a crucial phase of airport expansion.

The length of the taxiway is 3,200 feet, including connectors, and 35 feet wide. A new terminal is also under construction at the airport. Daniel Taylor, Muhlenberg County Airport manager for seven years, said that the new taxiway "is a real safety feature that will mean a lot on high traffic days."

### Pertinent Facts:

Length=	3,200'	Base Stone=	6,630 tons
Width=	35'	Asphalt=	2,720 tons
Excavation=	14,450 cubic yards	Electrical Cabling=	15,640 ft
Culverts (18" to 60")=	598'	Duct Banks=	879 ft
Underdrains (6")=	5,970 ft	Edge Lights=	97
Headwalls=	26	Taxiway Signs=	4
Cement Stabilization=	13,028 yards	New Vault Building=	1





## Kentucky Department of Aviation GPS Traveling Kit Information and Guidelines

The Kentucky Department of Aviation is pleased to provide the opportunity for KATI Teachers to use GPS traveling kits in their classroom. This teaching strategy will help students learn navigation skills, specifically latitude and longitude. The traveling kits will be available for classrooms for a two week period. KDA will try the GPS Traveling Kits for six months and then evaluate the program based on participant comments from enclosed survey forms.

Participant responsibilities for utilizing the GPS traveling kits include:

- Completing the Order Form
- Providing Batteries (2 AA per GPS unit)
- Completing Survey Form
- Mailing the GPS kit to the next KATI teacher
- Including your own Resources and lesson plans to the kit flashdrive

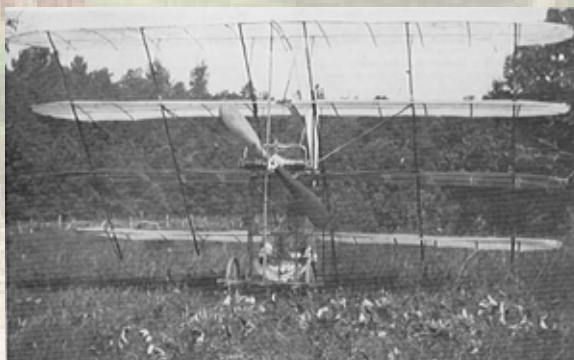
The GPS traveling kit contains:

- 15 E-trex Legend GPS units
- 1 SanDisk 4 gigabyte flashdrive
- Lesson Plans and Resources
- Survey Form
- Mailing Labels
- 2009 KATI Fliers

For more information please contact Paige Hankla at:  
502-564-0296 or [phankla@ky.gov](mailto:phankla@ky.gov)

### KENTUCKY POWERED FLIGHT 1980-2008

Matthew B. Sellers was the first to create a flying machine to successfully fly in Kentucky. The machine had a retractable landing gear and was designed using a wind tunnel far superior to the wind tunnel created by the Wright Brothers. In late 1908 Sellers added a 7 horsepower engine, landing gear and flight controls to his quadraplane No. 6 glider, producing a powered aircraft that was eventually to make a number of flights on his property in Carter County. Marty Schadler will be a featured speaker presented the story of Matthew Sellers at the Aviation Museum of Kentucky on Saturday, December 13. This is a celebration based on the 100 year anniversary of powered flight in Kentucky. Marty has titled his presentation: *Don't Forget Carter County: Aeronautics in the Time of Matthew Sellers.*







# Kentucky Aviation Teacher Institutes 2009

**Teachers grades 6-12**

The Kentucky Department of Aviation believes that education is the key to individual success, industry health, and local and state economies. We are dedicated to bringing aviation into the classroom of every educational institution in the Commonwealth. Evidence supports that students do better in math and science when shown a practical and interesting application for these concepts. An aircraft in flight is a laboratory packed with dynamic mathematical and physical science applications. Bottom line, what student is not fascinated with airplanes and aviation!

**Rough River State Resort Park:**

**June 9-11**

**Natural Bridge State Resort Park:**

**June 16-18**

**Lake Cumberland State Resort Park:**

**June 23-25**

**To register or for more information, contact:**

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## Taking flight: Aviation class introduces students to diverse careers

By DAVID BROCK

dbrock@amnews.com

The Advocate-Messenger 2008

A pilot program is encouraging students in a Danville High School class to take flight.

They can get college credit for obliging. Fundamentals of Aviation began last year with one student taking the online portion of the course. This year, teacher Curtis Meurer's class is a full elective with 15 students. The class is one of only six of its kind in Kentucky and the only one to be offered as a full elective. Students can pay a nominal fee to receive two college credit hours. Much of the rest of the cost is covered by the state.

"The state believes that this is an area where they may have an edge," Meurer said. "This is never going to be Silicon Valley or a major financial center, but the location makes it well situated for air travel. The Northern Kentucky Airport and the UPS hub in Louisville are a couple of the opportunities that already exist." If getting high school students interested in an aviation career is the purpose, it already is being served at Danville.

Although some students in the class admit that they signed up because it sounded cool, more than half intend to enter some field related to aviation. Meurer points out that this does not necessarily mean becoming a pilot. "This introduces some very diverse careers," he said. "Besides pilots, you have grounds crew, loading crew, mechanics. In every case, they pay quite a bit more than the non-aviation counterpart." However, soaring at high altitudes no doubt attracts many of the students. Flying is a course requirement for those taking it online, and students quickly have the opportunity to become aviators for a day.

Six class members recently traveled to Richmond for Young Eagles Day. In addition to working as ramp escorts on the ground, all got to go up in a plane. Three of them were allowed to take the controls during their flight. For Ricky Aranda, it was a unique chance to fly the first plane he had ever been in. "It was my first time being in one, and it was an amazing feeling for me," he said. "This is also experience for my job in the future. I want to fly helicopters in the military, and I think this will put me ahead of some people going in." Meurer has been amazed by the response teaching in this way has gotten from some normally hard to reach students. The academic portion of the class involves a heavy dose of science. "Some people use the term stealth science," Meurer said. "But they are learning real physics and earth sciences. I can talk all day about buoyancy or Boyle's gas laws, but showing them in an authentic way works much better." On Wednesday, the class was at Admiral Stadium to test both Meurer's theory about the benefits of project-based learning and their own made-from-scratch hot air balloons. "It is incredible to see a student who may not normally be engaged get on the Internet and then go to the library and check out books on fuel sources," Meurer said. In addition to being a former research scientist at the University of Kentucky, Meurer is a 24-year veteran of the Air Force and Air National Guard. His connections have allowed him to bring numerous experts into the classroom. "There is no use in me standing there playing expert on every aspect of this subject," Meurer said. "To make a class like this work, I think it is necessary to bring in real experts. I am trying to get as many people - pilots, air traffic controllers, weathermen - to let them hear it straight from the source." Meurer believes that the truest test of the impact the course is having may be the way the trip to Richmond began and ended. "You have kids who probably would rather not go to school on some weekdays there waiting for me at 8 a.m. on a Saturday," he said. "When it was time to come back, I don't think any of us wanted to leave either."



Teacher Curtis Meurer, left, helps Danville High School aviation students, from left, Kyle Snapp, David Phillips and Anna Meurer try to get a makeshift hot air balloon to take flight Wednesday at Admiral Field. (David Brock photo)

Keegan Reid makes his own fuel Wednesday in Curtis Meurer's Fundamentals of Aviation class at Danville High School. (David Brock photo)





## GA AIRPORT SECURITY ASSESSMENT

A pilot program for TSA's new nationwide GA Airport Vulnerability Assessment started out with 10 states being asked to get ten airports to take an online survey. We're proud to say Kentucky was one of those 10 states.

Thank you to the 10 airports who volunteered to participate the TSA survey:

Elizabethtown  
Danville  
Lebanon-Springfield  
Murray  
Middlesboro  
Big Sandy  
Mount Sterling  
Muhlenberg County  
Georgetown

## From Owensboro to Orlando

Las Vegas based Allegiant Air LLC announced plans Tuesday to begin nonstop jet service from Owensboro to Orlando on February 18, 2009. The airline will offer an introductory fare of \$69.00 each way. Tickets can be purchased at that price until December 3, but must be used by April 30. Dr. Andrew Ward, a member of the airport board, said the arrival of Allegiant's 150-seat jets in February will mark the return of commercial jet service to the airport. The fact that the Owensboro airport has an 8,000 foot runway with little air traffic helped Allegiant choose Owensboro over other cities in the region.





# 2009 International Aviation Art Contest

Each year, the Kentucky Department of Aviation participates in the International Aviation Art Contest. KDA coordinates the State competition and forwards the state winners' artwork to Washington, D.C., for the national competition. The theme for the 2009 aviation art contest is "Create a Poster for the World Air Games."

Each piece of art is judged on creativity, presentation, technical ability and appropriateness to the theme. All of the Kentucky winners' artwork will be forwarded to the National Association of State Aviation Officials. After the national judging takes place, the winners and runners-up artwork will be forwarded to the Federation Aeronautique Internationale (FAI) headquarters for international judging. Winners at the national level will be judged by an international jury. The winners in each age group will receive gold, silver and bronze medals.

**Eligibility:** All children in the age groups shown below are encouraged to participate in the contest.

**Age Groups:** Entries will be judged in three classes (determined by the age of the entrant as of December 31, 2008):

**Group I** (Date of birth between January 1, 1999 and December 31, 2002). (6-9)

**Group II** (Date of birth between January 1, 1995 and December 31, 1998). (10-13)

**Group III** (Date of birth between January 1, 1991 and December 31, 1994). (14-17)

**Format:** The required format is A3 (297 x 420 mm or 11 3/4 X 16 inches). Artwork must not be framed or outlined with borders.

**Medium:** All artwork must be done by hand. Any of the following media are permitted:

Watercolor  
Acrylic  
Oil paint  
Indelible marker pens  
Felt-tip pens  
Soft ball-point pens  
Indelible ink  
Crayola, or any similar indelible medium

The following media are NOT permitted:

No pencil, charcoal or other non-permanent medium may be used.

No computer-generated artwork is permitted.

No collage work involving the use of photocopies is permitted.

Complete the Certificate of Authenticity in its entirety and place on the back of the art. The certificate is worded as follows:

"I/We certify that this is the original and unassisted work of \_\_\_\_\_ (name of entrant)." Certificates are to be signed by the entrant's teacher, parent or guardian, or other suitable person.

**Deadline for Entries:** All entries must be postmarked by Friday, January 16, 2009.

**Address for Entries:** All entries are to be sent to:

Kentucky Department of Aviation  
Capital City Airport  
90 Airport Road, Bldg 400  
Frankfort, KY 40601

The international winning artwork, as well as the other U.S. national competition artwork, will be available for viewing on NASAO's web-site at <http://www.nasao.org/>.

Kentucky Department of Aviation  
Capital City Airport  
90 Airport Road, Bldg 400  
Frankfort, Kentucky 40601

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<http://transportation.ky.gov/Aviation/>  
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